Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-05-21-05** **Date: 24-05-18**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-05-18
Sample ID No	:	2018-05-21-05 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	21-05-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	285	285	5.7	94.3	90-100
3	10 mm	3015	3300	66.0	34.0	25-55
4	4.75 mm	1588	4888	97.8	2.2	0-10
5	Pan	112	5000	100	0	–

CIVIL PRO Sig..... Date..... BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-05-21-05** **Date: 24-05-18**

Sample ID No : 2018-05-21-05 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	9.5	
3	Specific Gravity	2.63	_
4	Bulk Density(Loose) (Kg/l)	1.45	_
5	Bulk Density(Compacted) (Kg/l)	1.51	_
6	Water Absorption(%)	0.21	_
7	Aggregate crushing Value(%)	23.8	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.1	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-05-21-05** **Date: 24-05-18**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP,
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-05-18
Sample ID No	:	2018-05-21-05 /01
Sample Type	:	Zuari 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	22-05-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.15	–
2	Finess by Air permeablity method (m^2/kg,Min)	282.65	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-05-21-05** **Date: 19-06-18**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-05-18
Sample ID No	:	2018-05-21-05 /01
Sample Type	:	Zuari 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	22-05-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	55.5N/mm^2	Not less than 53 N/mm^2

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Ward No 5

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-05-21-05** **Date: 24-05-18**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	21-05-18
Sample ID No	:	2018-05-21-05 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	21-05-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	292	292	1.9	98.1	90-100
3	20 mm	7498	7790	51.9	48.1	30-70
4	10 mm	5455	13245	88.3	11.7	10-35
5	4.75 mm	1218	14463	96.4	3.6	0-5
6	Pan	537	15000	100.0	0	---

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan0630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-05-21-05** **Date: 24-05-18**

Sample ID No : 2018-05-21-05 /02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	8.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	9.3	
3	Specific Gravity	2.61	–
4	Bulk Density(Loose) (Kg/l)	1.43	–
5	Bulk Density(Compacted) (Kg/l)	1.48	–
6	Water Absorption(%)	0.18	–

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-05-21-05** **Date: 23-05-18**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-05-18
Sample ID No	:	2018-05-21-05 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	22-05-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	548	658	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	462	673	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.885	578	892	20.0%	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro * Sig..... Date..... * BANGALORE

End of Report

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-05-28-02** **Date: 01/06/2018**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-18

Sample ID No : 2018-05-28-02 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	25/05/2018	01/06/2018	149.86 X 151.47 X 150.33	22699	8.175	392.7	17.3	17.3
2	Drain Concrete	M20	25/05/2018	01/06/2018	150.49 X 150.33 X 149.87	22623	8.162	386.9	17.1	
3	Drain Concrete	M20	25/05/2018	01/06/2018	150.28 X 150.77 X 150.98	22658	8.179	398.8	17.6	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-05-28-02** **Date: 22/06/2018**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-18

Sample ID No : 2018-05-28-02 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	25/05/2018	22/06/2018	149.85 X 150.18 X 150.45	22504	8.214	409.6	18.2	17.8
2	Drain Concrete	M20	25/05/2018	22/06/2018	149.87 X 150.33 X 151.98	22530	8.168	396.5	17.6	
3	Drain Concrete	M20	25/05/2018	22/06/2018	150.97 X 150.58 X 149.68	22733	8.172	402.4	17.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-05-30-02** **Date: 04/06/2018**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-05-18

Sample ID No : 2018-05-30-02 /01

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	149.87 X 149.62 X 151.73	22424	8.145	421.6	18.8	18.5
2	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	150.44 X 150.79 X 150.23	22685	8.205	403.8	17.8	
3	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	150.49 X 151.32 X 151.49	22772	8.198	430.4	18.9	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate.

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-05-30-02** **Date: 25/06/2018**
Customer	:	Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.
Address	:	Byatarayanapur Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.
Agency	:	S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/210/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-05-18
Sample ID No	:	2018-05-30-02 /02
Customer ID	:	M20 Concrete(RMC)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	150.42 X 150.54 X 150.45	22644	8.312	538.9	23.8	23.5
2	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	150.42 X 150.54 X 150.45	22644	8.331	518.6	22.9	
3	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	150.32 X 150.54 X 150.35	22629	8.345	536.3	23.7	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

AE ward no 5

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-05-30-02** **Date: 04/06/2018**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-05-18

Sample ID No : 2018-05-30-02 /03

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	149.88 X 151.36 X 150.77	22686	8.185	415.2	18.3	18.3
2	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	150.69 X 150.44 X 150.75	22670	8.196	405.8	17.9	
3	M20 Concrete(RMC)	M20	28/05/2018	04/06/2018	150.55 X 149.86 X 151.59	22561	8.177	421.9	18.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-05-30-02** **Date: 25/06/2018**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-05-18

Sample ID No : 2018-05-30-02 /04

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	150.78 X 150.99 X 149.63	22766	8.179	521.3	22.9	22.9
2	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	150.75 X 150.71 X 149.63	22720	8.146	524.8	23.1	
3	M20 Concrete(RMC)	M20	28/05/2018	25/06/2018	151.74 X 150.77 X 149.63	22878	8.175	521.6	22.8	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-05-21-05** **Date: 24-05-18**

Customer : Assistant Executive Engineer, Byatarayanapur Sub Division, BBMP, Bangalore.

Address : Byatarayanapur Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drains at Surrounding area of Agarahara Layout in ward No.05, Byatarayanapura Sub Division.

Agency : S.K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-64.

Customer's Reference : EE/BTP/BBMP/E-PMT/210/2015-16

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-05-18

Sample ID No : 2018-05-21-05 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 21-05-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	31	31	3.1	96.9	90-100	90-100	90-100	95-100
3	2.36 mm	182	213	21.3	78.7	60-95	75-100	85-100	95-100
4	1.18 mm	158	371	37.1	62.9	30-70	55-90	75-100	90-100
5	600 micron	201	572	57.2	42.8	15-34	35-59	60-79	80-100
6	300 micron	211	783	78.3	21.7	5-20	8-30	12-40	15-50
7	150 micron	148	931	93.1	6.9	0-10	0-10	0-10	0-15
8	Pan	69	1000	100.0	0.0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone II									

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-05-21-05** **Date: 24-05-18**

Sample ID No : 2018-05-21-05 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.19	_
2	Specific Gravity	2.54	_
3	Material finer than 75 micron(%)	5.8	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig..... Date.....

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com